



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

## Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
P0040358	ACI001-VC	3	1	Net 30	M6061T6S.250X6.250	6061-T651 Sheet 0.250" Thick Plate x 6.250" Wide : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				6	6/7/13/2018	6		S090358	Stock	7/10/2018	\$ 11.34 / ft	0		\$68.01	Acier Ouellette Inc.
		5			M6061T6S.250	6061T6 Sheet .250 : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf				32		32		S090359	Stock	7/10/2018	\$ 15.22 / sf	0		\$487.16	Acier Ouellette Inc.
		6			M304S20GA	304/316 .040 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf				256		256		S090402	Stock	7/10/2018	\$ 4.96 / sf	0		\$1,269.87	Acier Ouellette Inc.
		7			M304S18GA	304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240				192		192		S090403	Stock	7/10/2018	\$ 6.24 / sf	0		\$1,198.45	Acier Ouellette Inc.
		8			M304R0.375	304 Round Bar 0.375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft				24		24		S090360	Stock	7/10/2018	\$ 1.19 / ft	0		\$28.60	Acier Ouellette Inc.
		9			M303R0.750	303 Round Bar 0.750 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft				96		96		S090361	Stock	7/10/2018	\$ 5.14 / ft	0		\$493.06	Acier Ouellette Inc.
		10			M303R0.250	303 Round Bar 0.250" MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE				36		36		S090362	Stock	7/10/2018	\$ 0.59 / ft	0		\$21.10	Acier Ouellette Inc.

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
		11			M303R1.000	303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft				12		12		S090363	Stock	7/10/2018	\$ 8.70 / ft	0		\$104.43	Acier Ouellette Inc.
		12			M303R1.375	M303R1.375 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft						13		S090364	Stock	7/10/2018	\$ 18.99 / ft	0		\$237.38	Acier Ouellette Inc.
		13			M6061T6R0.625	6061-T6 Round Bar .625" : MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				100		100		S090365	Stock	7/10/2018	\$ 1.25 / ft	0		\$124.89	Acier Ouellette Inc.
		14			M6061T6R1.625	6061-T6 Round Bar 1.625 : MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				12		12		S090366	Stock	7/10/2018	\$ 13.10 / ft	0		\$157.25	Acier Ouellette Inc.
		15			M6061T6R2.375	6061-T6 Round Bar 2.375" : MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft						12		S090367	Stock	7/10/2018	\$ 24.44 / ft	0		\$293.28	Acier Ouellette Inc.
		16			M6061T6R0.750	6061-T6 Round Bar .750" : MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				80		80		S090368	Stock	7/10/2018	\$ 1.55 / ft	0		\$123.83	Acier Ouellette Inc.

Print

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Past Days	Total	Supplier Name	
		17			M6061T6R0.563	6061-T6 Round Bar .563 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft						84		S090369	Stock	7/10/2018	\$ 1.18 / ft	0	\$99.44	Acier Ouellette Inc.	
		18			M6061T6B1.000X04.000	6061-T6 Bar 1.00 X 4.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				36		40		S090370	Stock	7/10/2018	\$ 16.23 / ft	0	\$649.39	Acier Ouellette Inc.	
		19			M6061T6B1.000X02.000	6061-T6 Bar 1.00 X 2.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				12		12		S090371	Stock	7/10/2018	\$ 7.10 / ft	0	\$85.23	Acier Ouellette Inc.	
		20			M6061T6B1.000X06.000	6061T6 Bar 1.00 X 6.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				60		60		S090372	Stock	7/10/2018	\$ 20.86 / ft	0	\$1,251.70	Acier Ouellette Inc.	
		21			M6061T6B2.000X2.500	6061T6 Bar 2.000 X 2.500 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				12		12		S090373	Stock	7/10/2018	\$ 24.42 / ft	0	\$293.00	Acier Ouellette Inc.	
										Total:	1,070		1,079							\$5,315.59	



# ACIER OUELLETTE INC.

935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

# DELIVERY - CLIENT

CO0009777

## Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

## Shipped to

DART AEROSPACE LTD

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Customer N°  
Date  
Delivery date  
Your order N°  
Processed by  
Salesman  
Carrier  
Credit Terme

CLI0001056  
2018/06/29  
2018/07/09  
040358  
Eric Kaehlert  
OUELLETTE VALLEYFIELD  
Net 30 Days

Product Description	Weight	Qty	UM	PCS NB				Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C	OUT
1 ALU PLATE 1/4 6061-T651 RANDOM PAL-146061-V 4245 SAW CUT 1 X 6-1/4" X 72" ** CERTIFICATE ** LINE#3 Heat: S37035527	12.44	3.40	PI2_\$CLB		6.14x 72						
2 ALU PLATE 3/4 6061-T651 RANDOM PAL-346061-V 4280 SAW CUT 1 X 6-1/2" X 72" ** CERTIFICATE ** LINE#4	38.16	3.52	PI2_\$CLB								
3 ALU PLATE 1/4 6061-T651 (4 X 8) PAL-14486061 4242 PALLET 1 X 4' X 8' ** CERTIFICATE ** LINE#5 Heat: S37035527	117.12	32.00 1.00	PI2_\$CLB UN								
4 SHEET SS 20G-SS304-2B (4 X 8) FESS-20G483042B 3430	401.92	256.00	PI2_\$CLB								





# DELIVERY - CLIENT

CO0009777

Product Description	Qty	Weight	UM	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
PALLET 8 X 4' X 8' ** CERTIFICATE ** LINE#6 Heat: 697E <i>M</i>		1.00	UN								
5 SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425 PALLET 6 X 4' X 8' ** CERTIFICATE ** LINE#7, Heat: 088E <i>M</i>	403.20	192.00 1.00	PI2_\$CLB UN								
6 ROUND SS 3/8 304 (R) RSS-38 2 X 12' R/L ** CERTIFICATE ** LINE#8, Heat: 1711164 <i>M</i>	9.02	24.00	PI_\$CLB								
7 ROUND SS 3/4 303 (R) RSS-34303 8 X 12' R/L ** CERTIFICATE ** LINE#9, Heat: 51049 <i>M</i>	144.19	96.00	PI_\$CLB								
8 ROUND SS 1/4 303 (R) RSS-14303 3 X 12' R/L ** CERTIFICATE ** LINE#10, Heat: 401621 <i>M</i>	6.01	36.00	PI_\$CLB								
9 ROUND SS 1 303 (R) RSS-1303 1 X 12' R/L ** CERTIFICATE ** LINE#11, Heat: 620M <i>M</i>	32.04	12.00	PI_\$CLB								
10 ROUND SS 1 3/8 303 NS RSS-138303 1 X 12' R/L ** CERTIFICATE ** LINE: 12, Heat: 721P <i>M</i>	60.59	12.00	PI_\$CLB								



# DELIVERY - CLIENT

CO0009777

Product Description	Qty	Weight	UM	PCS NB		Internal Use Only							
				CMD	EXP	B/O	IN	I	S	C	OUT		
AC17781-TH-2018-07-05													
11 ROUND ALU 5/8 6061-T6 * RAL-58 5169 5 X 20' ** CERTIFICATE ** LINE#13, Heat: 18021101A	36.10	100.00	PI_\$CLB		5x 20'								
12 ROUND ALU 1 5/8 6061-T6 * RAL-158 5138 1 X 12' ** CERTIFICATE ** LINE#14, Heat: 201801246	29.23	12.00	PI_\$CLB		1x12'								
AC17781-TH-2018-07-05													
13 ROUND ALU 2 3/8 6061-T6 NS RAL-238 10133 1 X 12' ** CERTIFICATE ** LINE#15, Heat: 201807529	62.40	12.00	PI_\$CLB		1x12'								
AC17781-TH-2018-07-05													
14 ROUND ALU 3/4 6061-T6 * RAL-34 5157 4 X 20' ** CERTIFICATE ** LINE#16, Heat: 68706	41.84	80.00	PI_\$CLB		4x 20'								
15 ROUND ALU 9/16 6061-T6 * RAL-916 5180 7 X 12' ** CERTIFICATE ** LINE#17, Heat: 01M170825B, 03E170530A	24.61	84.00	PI_\$CLB		7x 12'								
16 FLAT ALU 1 X 4 6061-T6 * FAL-14 2532 2 X 20' ** CERTIFICATE ** LINE#18, Heat: 387163	192.00	40.00	PI_\$CLB		2x 20'								
17 FLAT ALU 1 X 2 6061-T6 * FAL-12 2497 1 X 12' ** CERTIFICATE **	28.80	12.00	PI_\$CLB		1x12'								



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CO0009777

Product Description	Qty	Weight	UM	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
LINE#19, Heat : SXF171892 <i>A</i> <b>18 FLAT ALU 1 X 6 6061-T6 *</b> FAL-16 2536 5 X 12' ** CERTIFICATE ** LINE#20, Heat : 41096-047 <i>A</i> AC-17793-YR-2018-07-03	422.94	60.00	PI_\$CLB		5x12					
LINE#21, Heat : 5470742 <i>A</i> <b>19 FLAT ALU 2 X 2 1/2 6061-T6 RANDOM NS</b> FAL-2212 8770 1 X 12' ** CERTIFICATE ** AC17783-YR-2018-07-03	70.49	12.00	PI_\$CLB		1x12					

**Conditions :**  
All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

NIR : R-109516-6

Total Weight (Lbs) : 2 133.10

Prepared By : <i>SO</i>	Verified By :	Delivered By :	Time
Customer's Signature			
Date			



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO040358**

**Supplier:** ACI001-VC  
Acier Ouellette Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 667 4248  
Fax: 450 377 5696

**PO No:** PO040358

**PO Date:** 6/28/18

**Due Date:** 7/5/18

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
Phone: clavoie@dartaero.com

**E-MAILED**  
JUN 28 2018

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pymt Terms:** Net 30

**Freight Terms:**

**Special Comments:** quotation no sou0116430

## Items

Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		MT-4140-S-0.500X10.000		AISI 4140 Steel Sheet/Plate : AISI 4140N STEEL SHEET OR PLATE AS PER ASTM A829 OR AMS 6395 MIN: ROCKWELL C = 28 RC MAX: ROCKWELL C = 32 RC	Firmed	7/13/18	8 ft	0 ft	8 ft	\$51.8175/ft	\$414.54
2		MT-4140-S-1.750X12.000		AISI 4140 Steel Sheet/Plate MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395	Firmed	7/13/18	6 ft	0 ft	6 ft	\$186.85/ft	\$1,121.10
3		M6061T6S.250X6.250		6061-T651 Sheet 0.250" Thick Plate x 6.250" Wide : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	7/5/18	6 ft	0 ft	6 ft	\$11.335/ft	\$68.01

Line Item Note saw cut included in price

Plex 6/28/18 2:54 PM dart.lavoie.chantal

Items											
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4		M6061T6S0.750X06.500		6061T6 Sheet 0.750 X 6.500 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	7/5/18	6 ft	0 ft	6 ft	\$36.208333/ft	\$217.25
5		M6061T6S.250		6061T6 Sheet .250 : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	7/5/18	32 sf	0 sf	32 sf	\$15.22375/sf	\$487.16
							✓ 32sf			At 18/07/10	
6		M304S20GA		304/316 .040 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf	Firmed	7/5/18	256 sf	0 sf	256 sf	\$4.9604296/sf	\$1,269.87
							✓ 256sf			At 18/07/10	
7		M304S18GA		304/316 .050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed	7/5/18	192 sf	0 sf	192 sf	\$6.2419479/sf	\$1,198.45
							✓ 192sf			At 18/07/10	
8		M304R0.375		304 Round Bar 0.375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	7/5/18	24 ft	0 ft	24 ft	\$1.191666/ft	\$28.60
							✓ 24ft			At 18/07/10	
9		M303R0.750		303 Round Bar 0.750 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	7/5/18	96 ft	0 ft	96 ft	\$5.1360416/ft	\$493.06
							✓ 96ft			At 18/07/10	
10		M303R0.250		303 Round Bar 0.250" : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE	Firmed	7/5/18	36 ft	0 ft	36 ft	\$0.58611/ft	\$21.10
							✓ 36ft			At 18/07/10	
11		M303R1.000		303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	7/5/18	12 ft	0 ft	12 ft	\$8.7025/ft	\$104.43
							✓ 12ft			At 18/07/10	



Items											
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
12		M303R1.375		M303R1.375 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	7/5/18	12 ft	0 ft	12 ft	\$18.99/ft	\$227.88
13		M6061T6R0.625		6061-T6 Round Bar .625" : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	100 ft	0 ft	100 ft	\$1.2489/ft	\$124.89
14		M6061T6R1.625		6061T6 Round Bar 1.625 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	12 ft	0 ft	12 ft	\$13.104166/ft	\$157.25
15		M6061T6R2.375		6061-T6 Round Bar 2.375" : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	12 ft	0 ft	12 ft	\$24.44/ft	\$293.28
16		M6061T6R0.750		6061-T6 Round Bar .750" : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	80 ft	0 ft	80 ft	\$1.547875/ft	\$123.83

Items											
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
17		M6061T6R0.563		6061-T6 Round Bar .563 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	7/5/18	80 ft	0 ft	80 ft	\$1.18375/ft	\$94.70
							✓ 84 ft			At 18/07/10	
18		M6061T6B1.000X04.000		6061-T6 Bar 1.00 X 4.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	7/5/18	36 ft	0 ft	36 ft	\$16.234761/ft	\$584.45
							✓ 36 ft			At 18/07/10	
19		M6061T6B1.000X02.000		6061-T6 Bar 1.00 X 2.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	7/5/18	12 ft	0 ft	12 ft	\$7.1025/ft	\$85.23
							✓ 12 ft			At 18/07/10	
20		M6061T6B1.000X06.000		6061T6 Bar 1.00 X 6.00 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	7/5/18	60 ft	0 ft	60 ft	\$20.861666/ft	\$1,251.70
							✓ 60 ft			At 18/07/10	
21		M6061T6B2.000X2.500		6061T6 Bar 2.000 X 2.500 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	7/5/18	12 ft	0 ft	12 ft	\$24.416666/ft	\$293.00
							✓ 12 ft			At 18/07/10	
										Grand Total: \$8,659.79	

## Order Notes

Plex 6/28/18 2:54 PM dart.lavoie.chanta

## Order Notes

## Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness



Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 6/28/18 2:54 PM dart.lavoie.chantal

**ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Quotation**

SOU0116430

**Billed to**

DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Customer N°**

CLI0001056

**Date**

2018/06/26

**Revision N°**

0

**Prices valid until**

2018/07/03

**Your Order N°****Processed by**

Eric Kaehlert

**Salesman**

ERIC

**Carrier**

OUELLE SDV

**Credit Terms**

Net 30 Days

**Page**

1

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
PLATE 4140 HEAT TREAT 1/2 NS P4140-12H <b>8509</b> 1 PC 10" X 96" 8-10 DAYS ✓	136.20	6.67	PI2	6.67	UN_\$UN	62.15			414.54
PLATE 4140 HEAT TREAT 5/8 NS P4140-58H <b>8669</b> 1 PC 1-1/8" X 96" 8-10 DAYS	19.13	0.75	PI2_\$CLB	0.75	UN_\$UN	253.97			190.48
PLATE 4140 HEAT TREAT 3/4 NS P4140-34H <b>8198</b> 1 PC 2-1/2" X 96" 8-10 DAYS	53.44	1.67	PI2	1.67	UN_\$UN	145.95			243.74
PLATE 4140 HEAT TREAT 1 3/4 NS P4140-134H <b>8507</b> 1 PC 12" X 72" 8-10 DAYS ✓	428.82	6.00	PI2	6.00	UN_\$UN	186.85			1 121.10
ALU PLATE 1/4 6061-T651 RANDOM PAL-146061-V <b>4245</b> SAW CUT SCIE <b>1</b> 1 X 6-1/4" X 72" 2-3 DAYS ✓	12.44	3.40	PI2_\$CLB	3.40	PI2	15.59			53.01
		1.00	UN	1.00		15.00			15.00
ALU PLATE 3/4 6061-T651 RANDOM PAL-346061-V <b>4280</b> SAW CUT SCIE <b>1</b> 1 X 6-1/2" X 72" 2-3 DAYS ✓	38.16	3.52	PI2_\$CLB	3.52	PI2	56.04			197.25
		1.00	UN	1.00		20.00			20.00
ALU PLATE 1/4 6061-T651 (4 X 8) PAL-14486061 <b>4242</b> PALLET EMB <b>11</b> 1 X 4' X 8' STOCK ✓	117.12	32.00	PI2_\$CLB	1.00	UN	487.16			487.16
		1.00	UN	1.00		0.00			0.00
SHEET SS 20G SS304-2B (4 X 8) FESS-20G483042B <b>3430</b>	401.92	256.00	PI2_\$CLB	8.00	UN	158.73			1 269.87

Date :

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Quotation**

SOU0116430

**Billed to**

DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Customer N°**

CLI0001056

**Date**

2018/06/26

**Revision N°**

0

**Prices valid until**

2018/07/03

**Your Order N°****Processed by**

Eric Kaehlert

**Salesman**

ERIC

**Carrier**

OUELLE SDV

**Credit Terms**

Net 30 Days

**Page**

2

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
PALLET EMB 11 128 256 8 X 4' X 8' STOCK		1.00	UN	1.00		0.00			0.00
SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425 PALLET EMB 11 192 6 X 4' X 8' STOCK	403.20	192.00	PI2_\$CLB	6.00	UN	198.88			1 193.27
ROUND SS 3/8 304 (R) RSS-38 5768 2 X 12' R/L STOCK	9.02	24.00	PI_\$CLB	24.00	PI	1.19			28.60
FLAT SS 5/8 X 3 SS304 NS FSS-583 9221 REGRET, NO STOCK AVAILABLE	0.00	0.00	PI_\$CLB	0.00	PI	0.00			0.00
ROUND SS 3/4 303 (R) RSS-34303 5761 8 X 12' R/L STOCK	144.19	96.00	PI_\$CLB	96.00	PI	5.14			493.06
ROUND SS 1/4 303 (R) RSS-14303 5739 3 X 12' R/L 2-3 DAYS	6.01	36.00	PI_\$CLB	36.00	PI	0.59			21.10
ROUND SS 1 303 (R) RSS-1303 8519 1 X 12' R/L STOCK	32.04	12.00	PI_\$CLB	12.00	UN_\$UN	8.70			104.43
ROUND SS 1-3/8" DIA 303 RANDOM N 1 X 12' R/L 2-3 DAYS	0.00	12.00	UN	12.00	UN	18.99			227.88
ROUND ALU 5/8 6061-T6 * RAL-58 5169 5 X 20' STOCK	36.10	100.00	PI_\$CLB	100.00	PI	1.25			124.89

Date :

Next Page...



**ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Quotation****SOU0116430****Billed to**

DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Customer N°**

CLI0001056

**Date**

2018/06/26

**Revision N°**

0

**Prices valid until**

2018/07/03

**Your Order N°****Processed by**

Eric Kaehlert

**Salesman**

ERIC

**Carrier**

OUELLE SDV

**Credit Terms**

Net 30 Days

**Page**

3

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
ROUND ALU 1 5/8 6061-T6 * RAL-158 5138 1 X 12' 2-3 DAYS	29.23	12.00	PI_\$CLB	12.00	PI	13.10			157.25
ROUND ALU 2 3/8 6061-T6 NS RAL-238 10133 1 X 12' 2-3 DAYS	62.40	12.00	PI_\$CLB	12.00	UN_\$UN	24.44			293.28
ROUND ALU 3/4 6061-T6 * RAL-34 5157 4 X 20' STOCK	41.84	80.00	PI_\$CLB	80.00	PI	1.55			123.83
ROUND ALU 9/16 6061-T6 * RAL-916 5180 4 X 20' STOCK	23.44	80.00	PI_\$CLB	80.00	PI	1.19			95.15
FLAT ALU 1 X 4 6061-T6 * FAL-14 2532 2 X 12' STOCK	115.20	24.00	PI_\$CLB	24.00	PI	14.21			340.93
FLAT ALU 1 X 2 6061-T6 * FAL-12 2497 1 X 12' STOCK	28.80	12.00	PI_\$CLB	12.00	PI	7.10			85.23
FLAT ALU 1 X 6 6061-T6 * FAL-16 2536 2 X 12' STOCK	169.18	24.00	PI_\$CLB	24.00	PI	20.86			500.68
FLAT ALU 3/8 X 5 6061-T6 * FAL-385 2625 2 X 20' STOCK	88.00	40.00	PI_\$CLB	40.00	PI	7.61			304.39
FLAT ALU 2 X 2 1/2 6061-T6 RANDOM NS FAL-2212 8770 1 X 12' 2-3 DAYS	70.49	12.00	PI_\$CLB	12.00	UN_\$UN	24.49			293.90
FUEL CHARGE FRAIS_ENERGETIQUE			\$						3.95

Date :

Next Page...

**ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Quotation****SOU0116430****Billed to**

DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Customer N°** CLI0001056  
**Date** 2018/06/26  
**Revision N°** 0  
**Prices valid until** 2018/07/03  
**Your Order N°**  
**Processed by** Eric Kaehlert  
**Salesman** ERIC  
**Carrier** OUELLE SDV  
**Credit Terms** Net 30 Days  
**Page** 4

Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount

**Total Weight (Lbs)** 2 466.37

**Important**

This offer is based on the availability, the price of material can change without notice in function of the evolution of the current market prices.  
This offer is subject to credit approval.

Approved and Accepted by : \_\_\_\_\_

Date : \_\_\_\_\_

**Sub-total** 8 403.97

TVH-13 · · 1092.52

**Total (\$CAD)** 9 496.49

PAL-14486061

50645 TRA-2484

4242

MILL TEST CERTIFICATE	No: 907	CERTIFIED SRAC-IQNet	vimetco S.L. Slatina
	Date: 1/11/2018	ISO 9001:2009 No. 10/valid 2017	

CUSTOMER : OLBERT METAL SALES LIMITED

CONTRACT/ORDER : 2224  
 BILL OF DELIVERY : 80347265  
 TRUCK/CONTAINER : MSCU 5849358

MATERIAL : ALUMINIUM PLATES  
 ALLOY : 6061  
 LOT/DIMENSIONS (mm) : 70190084 0.25"THX48.5"WDX96.5"LT

TEMPER: T651

ACCORDING TO : ASTM B209; AMS 4027N; ANSI H35.2; ASME SB209; AMS-QQ-A-250/11

ACTUAL MECHANICAL PROPERTIES																																																														
1 MPa = 1 N/mm <sup>2</sup> = 0.145 ksi = 0.102 kgf/mm <sup>2</sup>																																																														
1 lbs = 0.4536 kg																																																														
Specified values:																																																														
<table border="1"> <tr> <th rowspan="2">LOT / BATCH</th> <th rowspan="2">CASE</th> <th rowspan="2">NET WEIGHT, lbs</th> <th colspan="2">UTS KSI</th> <th colspan="2">YTS KSI</th> <th colspan="2">Elong.% 50mm</th> </tr> <tr> <th>min.</th> <th>max.</th> <th>min.</th> <th>max.</th> <th>min.</th> </tr> <tr> <td>70190084 537035527</td> <td>585827;585829</td> <td>5,524.789</td> <td>42</td> <td></td> <td>35</td> <td></td> <td>10</td> <td></td> </tr> <tr> <td colspan="3"></td> <td colspan="6">Measured values:</td> </tr> <tr> <td></td> <td></td> <td></td> <td>48.6</td> <td></td> <td>43</td> <td></td> <td>15.5</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>48.5</td> <td></td> <td>43.5</td> <td></td> <td>15.5</td> <td></td> </tr> </table>													LOT / BATCH	CASE	NET WEIGHT, lbs	UTS KSI		YTS KSI		Elong.% 50mm		min.	max.	min.	max.	min.	70190084 537035527	585827;585829	5,524.789	42		35		10					Measured values:									48.6		43		15.5					48.5		43.5		15.5	
LOT / BATCH	CASE	NET WEIGHT, lbs	UTS KSI		YTS KSI		Elong.% 50mm																																																							
			min.	max.	min.	max.	min.																																																							
70190084 537035527	585827;585829	5,524.789	42		35		10																																																							
			Measured values:																																																											
			48.6		43		15.5																																																							
			48.5		43.5		15.5																																																							
ACTUAL CHEMICAL ANALYSIS %																																																														
BATCH	SI	Fe	Cu	Mn	Mg	Cr	NI	Zn	TI	Ga	V	Al																																																		
537035527	0.66	0.43	0.27	0.09	0.94	0.17	0.009	0.1	0.019	0.011	0.019	REM.																																																		
Acc. Standard	Min.	0.4		0.15		0.8	0.04					REM.																																																		
	Max.	0.8	0.7	0.4	0.15	1.2	0.35	0.05	0.25	0.15	0.05	0.05																																																		
Remarks:						Other- Each- Max.: 0.05			Others Total- Max.: 0.15																																																					

## REMARKS:

ACCORDING TO: ASTM B209:2014; AMS 4027N:2008; ANSI H35.2:2013; ASME SB209:2015; AMS-QQ-A-250/11:1997  
 We hereby certify that the material detailed hereon has been produced and tested according to the requirements of the relevant standards, specification and/or order. Keep in dry conditions, without large temperatures variations. The differences between metal and air must not exceed 11 °C. Please follow the recommendations of the Aluminium Association Guide for minimizing water staining, latest edition, for the unloading and storage of the material in your premises before usage. Also we certify that ALRO products complies with REACH legislation no. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals and CLP legislation no. 1272/2008 on classification, labeling and packaging of substances and mixtures.

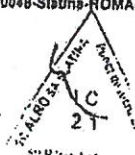
According to EN 10204:2004 3.1

## QUALITY CONTROL DEPT.

Marlus Olteanu, Eng.  
 SCALRO SA SLATINA  
 Punct de lucru Slatina  
 Str. Milcov Nr. 1, Jud. Giurgiu  
 Serv. Inspecția Calității

ALRO S.A. No. 116, Pitești Street Phone: +(40) 0249 435 117; 0249 432 955 alro@alro.ro  
 230048-Slatina-ROMANIA Fax: (40) 0249 411 487; 0249 415 992 www.alro.ro

cod fi/PO-051/Rev.4/2012



PAL 144





North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

# METALLURGICAL TEST REPORT

50899 15908  
6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 380647 1 Mail To:  
Customer: 007036 016

Ship To:

Date: 2/12/2018 Page: 1

Steel: 304  
Finish: 2B

Corrosion: ASTM A262/15 A, 180 Bend-OK

Your Order: 4500849627

NAS Order: DS 0013475 01

## PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED; UNS 30400  
ASTM A240/17, A480/16, A666/15, ASME SA240/17, SA480/17, SA666/17  
CHEM ONLY ON FOLLOWING ASTM: A276/17, A479/17, A484/16, A312/16  
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13  
AMS 5513 XMRK; MIL-S-5059D AMEND3 (X CROWN WEAS)  
WACE MR0175/180 15156-3:2009 A, MR0103/07; Q08766D-A X MAG PERM  
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

## REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.  
EN 10204:2004 3.1; ROHS 1 & 2 Compliant  
Material is Free of Radioactive Contamination  
Steel Making Process: EAF, AOD, & Cont. Casting  
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001  
\*Welded & Manufactured in the USA; Mat'l is DPARS Compliant

Product Id	Coil #	Std #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
02697E A	02697E A		.0360	48.0000	10,360 COIL		3	1	160009446

## CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
697E	US	.0568	18.0895	.4090	1.6780	.3390	.0719	8.0505	.0305	.0011

SI %  
.2505

## MECHANICAL PROPERTIES

Product Id#	Coil #	1 d o i c i	UNS	20C	.2% YS	20C ELONG % -2"	Hard RB	Tail Hard
02697E A	02697E A		F T	103.25	52.54	54.54	87.00	86.50

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

KRIS LARK

2/12/2018

3425

FESS-1864830428

51269

TRA-2855



North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

# METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 231861 2 Mail To:

Ship To:

Date: 10/26/2016 Page: 1

Customer: 007035 501

Steel: 304

Finish: 2B

Your Order: 781026

NAS Order: EN 0062821 14

Corrosion: ASTM A262/15 A, 180Bend-OK

## PRODUCT DESCRIPTION

SERVICES GREEN COIL, C.R. ANNEALED & PICKLED UNS 30400  
ASTM A240/15B, A480/15, A666/15, ASME SA240/15, SA480/15, SA666/15  
CHEM ONLY ON FOLLOWING ASTM: A276/16, A479/16, A484/15, A312/16  
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13  
AMS 5513J XRRKJ MIL-S-5059D AMENDS (X CROWN WEAS)  
MACE WR0175/ISO 15156-3:2009 A, WR0103/07, Q08766D-A X MAG PERM  
MIN. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

## REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.  
EN 10204:2004 3.1, ROHS 1 & 2 Compliant  
Material is Free of Radioactive Contamination  
Steel Making Process: EAF, AOD, & Cont. Casting  
Product Mfg. by a Quality Mfg. Sys. in Conf. w/ISO 9001  
\*Welded & Manufactured in the USA; Mat'l is DEARS Compliant

Product Id	Coil #	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
03088E B	03088E B		.0480	48.0000	20.720	COIL	1	1	74261496

## CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CR %	CU %	NI %	MO %	N %	NI %	P %	S %
088E	US	.0450	18.0445	.4925	1.6575	.3220	.0598	8.0190	.0290	.0010

SI %

.2670

## MECHANICAL PROPERTIES

Product Id#	Coil #	1 d o r	UTS KSI	20C KSI	.2% YS KSI	20C ELONG % 2"	% Hard RB	Tensile Hard	Grain No.
03088E B	03088E B	FT	100.16	52.12	47.23	88.00	84.00	10.00	

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

KRIS LARK

10/26/2016





# CHANDAN STEEL LIMITED

(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

ISO 9001:2008 CERTIFICATE No. 011001022

ADM. OFFICE: 304, SUDH SAGAR, N. 2, PATRAK NANGI, MUMBAI-400 002, INDIA

Tel.: 91-22-66290600, Fax.: 91-22-66290633/34

Website : www.chandansteel.net

Email : csf@chandansteel.net

L/c. No.:

L/c. Date:

WORKS: PLOT NO. 31 TO 35, 45/46/48, & 49/2/142

(EXP. AREA) CIDC, UMBERGAON & SURVEY NO. 102/2 & 3, VILLAGE,

DEHARI, TALUKA UMBERGAON, DIST. VALSAD, GUJARAT - 396171

GSTIN - 24AAACC4213B1ZG

F824 QC 09A / 02/10.12.2012

## MILL TEST / INSPECTION CERTIFICATE 3.1

ACCORDING TO EN 10204 : 2005

Consignee					Test Certificate No. : EXP/01152 - 06/2017-2018						
					Date of Issue : 03.01.2018						
					P. O. No. : MN5942						
					SC No. & Date : 17-18/00447, Dt. 08.11.2017						
					Invoice No. & Date : EXP/01152/2017-18 Dt. 03.01.2018						
PRODUCT DESCRIPTION STAINLESS STEEL ROUND BARS					LENGTH		Net Wt.				
					Ordered	Actual	2965 Lbs.				
					12' - 14'	12' - 14'					
Heat No.	Grade AISI	Size mm/inches	Tolerance	Process Route							
1711164	304L	3/8"	h9	Electric Melting, A.O.D. Refining, Continuous Casting							
CHEMICAL COMPOSITION (Weight %)											
	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	Ti	N
Min.	-	-	-	-	-	18.00	-	8.00	-	-	-
Max.	0.030	1.00	2.00	0.045	0.030	20.00	-	12.00	-	-	-
Results	0.028	0.37	1.57	0.039	0.016	18.55	-	8.04	-	-	-
MECHANICAL PROPERTIES											
Specified	Yield Strength		Tensile Strength		Elongation		Reduction of Area		Hardness		
Value	N/mm <sup>2</sup> /MPa (Rp0.2)		N/mm <sup>2</sup> /MPa (Rm)		%		%		(HB)		
Min.	310		620		30		40		-		
Max.	-		-		-		-		-		
Results	615		788		36		65		239-242		
Remarks:											
1. Cold drawn & Centreless Ground.											
2. Solution annealed at 1050 °C.											
3. PMI test done 100% & found Satisfactory.											
4. Material is free from radio-active contamination.											
5. Inter-Granular Corrosion Test as per ASTM A262 - 15 (Pr.E) satisfactory.											
6. The material conforms to ASTM A276-15/A182-15/A479-15 & ASME SA479-13 Specifications.											
7. Location of sample - Centre, Direction - Longitudinal, Test Temp - Room Temp., Shape of Test Piece - Round.											
8. Marking details - Company Logo, Size, Grade & Heat No.											
9. The material is manufactured/melt in Chandan Steel Mill and is of Indian Origin.											
10. No welding/weld repairs was performed on this material.											
BUNDLE NO.: 21 & 22											



It is hereby certified that the above results are true and correct in every details and are meeting the requirements of specification & purchase order.

B. S. RAUTELA  
MANAGER - QUALITY ASSURANCE



5761

RSS-34303

51361

17303



# INSPECTION CERTIFICATE

CUSTOMER: **2A CHEM INTERNATIONAL, INC.**  
COMMODITY: **Sealed Steel Cold Rolled Bar (P)**  
CERTIFICATE NO: **A371380242**

ORDER NO.: **10609007/268468**  
SPECIFICATION: **901**  
DOC NO.: **1**

**WALSH LITINA CORP.**  
YOUNG BLVD  
SUITE 100  
MILWAUKEE, WI 53211  
TEL: 414-431-0111 FAX: 414-431-0094

LC NO: **808**  
SUPPLY CONDITION: **CD**  
DATE OF ISSUE: **2017/11/28**

Heat No	Thick (in)	Per	Wt (LBS)	Chemical Composition(wt%)												Mechanical Property					BATCH NO
				C	SI	Mn	P	S	Ni	Cr	Mo	Cu	N	TS	YS	EL	RA	HB	HRC		
Spec	Min	Max		%100	%100	%100	%1000	%1000	%100	%100	%100	%100	%10000	N/mm2	N/mm2	%	%				
				15	100	200	200	150	800	1700	1900									103	
81049	1/8"		69	1254	5.6	27	184	27	328.4	927	1810	11	55	221	710	535	33	46	97		
8597	3/4"	68	1239	5.9	24	193	28	229.4	803	1765	17	74	353	733	603	33	40	95			
Total:																					
				2493																	

## TEST CERTIFICATE

ORDER NO	PACKING LIST NO	INSPECTION NO	DATE
L56591-S	64/1004236/1	100006522856	13.04.2016
	GRADE	HEAT No	
	T-303	101621	

BUNDLE NO :  
1100489217, 1100489216.DESCRIPTION  
STAINLESS STEEL BRIGHT BARS

## COLD DRAWN POLISHED - 2H

SIZE	SHAPE	TOLERANCE	LENGTH	PIECES	WEIGHT
1/4"	ROUND	ASTM A484	12'(-0/+2")	853	1,719.000 LB

## CHEMICAL ANALYSIS

%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Cu	%Mo	%Co	%N2
0.0560	1.960	0.490	0.3000	0.0360	17.400	8.090	0.590	0.500	0.170	0.05800

## TEST RESULTS

0.2% yield strength ksi	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS
98.0	112.0	38.0	57.0	228.0	7.0

## SPECIFICATION:

MATERIAL CONFIRMS TO ASTM A581/A581M-95B (2014) COND A, ASTM A582/A582M-12e1, A 484-13a. AMS 5640U TYPE I, EXCEPT MARKING, QQS-764B COND A.

EXCEPT MARKING, UNS-S-30300. CERTIFIED AS PER EN 10204-3.1.

## REMARKS

MATERIAL IS FREE FROM MERCURY CONTAMINATION, FREE FROM WELD OR WELD REPAIRS. MICRO: FREE FROM CONTINUOUS CARBIDE NETWORK ON GRAIN BOUNDARIES. MACRO: GOOD, MINIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1hr/inch., WATER QUENCHED. WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND FOUND TO BE FREE FROM RADIOACTIVE CONTAMINATION. MELT SOURCE: AOD. MELT &amp; MANUFACTURED: INDIA

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

WORKS INSPECTOR  
K R K MURTHY



**METALLURGICAL TEST REPORT**

6870 Highway 42 East  
 Ghent, KY 41045-9615  
 (502) 347-6000

Certificate: 371391 11  
 Customer: 007080 003

Date: 1/15/2018 Page: 1  
 Steel: 303  
 Finish: CD

Your Order: MN6001 NAS Order: IN 0257533 09 Heat Treat Code: 44,554 Red Ratio: 69.4 :1

**PRODUCT DESCRIPTION:**

Round Bar, Annealed, Cold Draw  
 UNS 30300, ASTM A582/12 EN 10204 3.1, ASTM A484/16  
 UNS 5640V TYPE 1, QCS-764S CONDITION A  
 SOLUTION ANNEAL TEMP 1900F MIN, ASTM F899/12b

**REMARKS:**

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE  
 2011/65/EU. ROHS. EAF+AD+CC. NO WELD REPAIR. MELTED AND NPTG  
 IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Shld # Diameter	Size	Weight	Mark	Pieces	Commodity Code
BJ1762 6		1.0000	1,073	144.00	11	1

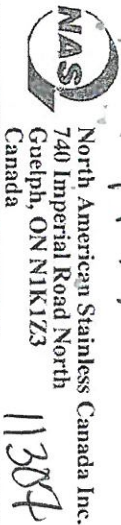
CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)									
NAS Heat	CM	C %	CO %	CR %	CU %	NI %	MO %	N %	NT %
620M	US	.026	.09	17.11	.31	1.92	.268	.036	8.53
	S %	SI %							
			.3350	.37					.031

**MECHANICAL PROPERTIES**

Product Id	1 d	HB	.2YS	UTS	RA	Elng
	o 1	No.	KSI	KSI	%	% 4D
BJ1762 6	RL	224.0	80.28	106.52	34.99	25.11

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
 Dept. Mgr.  
 KRIS LARK 1/15/2018



North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

11384

# METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 394775 6

Customer: 007205 001

Date: 3/23/2018 Page: 1

Steel: 303

Finish: ST

Corrosion:

Red Ratio: 39.1 : 1

Your Order: 5400384512

NAS Order: PN 0091880 04

Heat Treat Code: 45,745

## PRODUCT DESCRIPTION:

Round Bar, Annealed, Smooth Turned, Cold Finished  
UNS 30300, ASTM A582/12 EN 10204 3.1, ASTM A484/16  
AMS 5640V TYPE 1, QOS-764B CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

## REMARKS:

COMPLIES W/REQUIREMENTS OF DPAF 252-225-7009 EU DIRECTIVE  
2011/65/EU, ROHS, EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	-----Length-----	Mark	Pieces	Commodity Code
BJ3429 4		1.3750		1,259	144.00	4	1	

CHEMICAL ANALYSIS									
CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)									
Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323									
Chemical Analysis per ASTM A751/14a									
NAS Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %
7219	US	.057	.11	17.12	.30	1.86	.285	.019	8.55
									.030
	S %	SI %							
		.3205	.45						

## MECHANICAL PROPERTIES

Product Id	1 d o i c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % AD
BJ3429 4	RL	173.0	48.00	88.00	56.00	43.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

KRIS LARK

3/23/2018



07778

Dart

1+481N



North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

# METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 394775 7

Customer: 007205 001

Date: 3/23/2018 Page: 1

Steel: 303

Finish: ST

Your Order: 5400384512

NAS Order: PN 0091880 04

Heat Treat Code: 45,745

Corrosion:  
Red Ratio: 39.1 :1

## PRODUCT DESCRIPTION:

Round Bar, Annealed, Smooth Turned, Cold Finished  
UNS 30300, ASTM A582/12 EN 10204 3.1, ASTM A484/16  
AMS 5640V TYPE 1, QQS-764B CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

## REMARKS:

COMPLIES W/REQUIREMENTS OF DFR 252.225-7009 EU DIRECTIVE  
2011/65/EU. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	-----Length-----	Mark	Pieces	Commodity	Code
BJ3429 6		1.3750		943	144.00	5	1		

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/14a

NAS-Heat	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
721P	US	.057	.11	17.12	.30	1.86	.285	.019	8.55	.030
S % SI %										
.3205 .45										

## MECHANICAL PROPERTIES

Product Id	1 d o i c f	HB	.2YS KSI	UTS KSI	RA %	Elong % 4D
BJ3429 6	RL	173.0	48.00	88.00	56.00	43.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

KRIS LARK

3/23/2018

Material Test Report

Manifest: 337137

Ticket:  
5586422

Our Order: 444223 - 1

Cust P.O.: C75538

Die: ES05631

Part: V815342 /

Alloy Temper: 6061 T6511

Description: .625

Print Date: 3/12/18

*R099404*

**Chemical Composition Range**

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
6061										
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

**Mechanical Properties**


Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
430453	<u>18021101A</u>	A11	3/6/18	41.73	36.59	11.6

Applicable Specifications: ASTMB221-14 AMS-QQ-A200/8A

Country of Origin: ONTARIO, CANADA

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

  
Evan Eng, Quality Assurance Manager

97778

Dart

17781N



Service Center Metals

5850 Quality Way

Prince George, VA 23875

Can Do. 5/38

# CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER	ITEM
942750	7

BILL TO	MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	CERTIFICATION
SHIP TO	359858	RD0011	3/2/2018	ASTM-B221-14 StencilCont
	CUSTOMER PO	ALLOY / TEMPER	SALESPERSON	SPECIFICATION
	5400386340	6061-T6511	D. Schroeder (Canada)	AMS-QQA-200/8 Rev-A obsolete
	CUSTOMER PART NUMBER	DESCRIPTION		RoHS 2011/65/EU Compliant
	ALRD00393	Lightning Rod Tite 1.625 +/- .004		
Quantity Certified	3,015 lbs	103 pcs		

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

SCM is ISO 9001-2015 certified This product is RoHS-2, REACH, and DFARS compliant.

## Mechanical Properties

Tests Lot No.

9 201711078  
→ 6 201801246

Yield Strength (KSI)	Percent Elongation
min max	min max
43.10 52.50	12.60 19.80
48.50 50.00	13.90 18.10

Ultimate Tensile Strength (KSI)	Test Date
min max	
46.50 56.10	7/28/17
51.50 53.10	1/26/18

## Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Each	Total	Melt Source
001J171217B	201801246	6061	0.74	0.36	0.32	0.10	0.89	0.11	0.04	0.02	97.42		0.05	0.15	United States of America

SCM products are melted and extruded in the USA

Calvin J. Wiggins

Calvin J. Wiggins, Director of Quality & Technical Services

Print Date: 3/2/2018

Rev 7/22/17



977778 Date

17781N



Service Center Metals

5850 Quality Way  
Prince George, VA 23875

Can Do. 10133

# CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER	ITEM
951766	1

MANIFEST NUMBER 367751  
CUSTOMER PO 5400399709  
CUSTOMER PART NUMBER ALRD00795  
Quantity Certified 1,000 lbs 16 pcs

DIE NUMBER RD0017  
ALLOY/TEMPER 6061-T6511  
DESCRIPTION Lightning Rod Tite 2.375 +/- .006

DATE OF SHIPMENT 5/21/2018  
SALESPERSON D. Schroeder (Canada)

CERTIFICATION ASTM-B221-14 StencilCont  
SPECIFICATION RoHS 2011/65/EU Compliant

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

This product is RoHS-2, REACH, and DFARS compliant.

SCM is ISO 9001-2015 certified

## Mechanical Properties

Tests Lot No.

→ 5 201807529

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
5/7/18	min 48.20 max 54.00	min 44.00 max 50.90	min 13.80 max 18.20

## Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others		Melt Source:
											Each	Total	
001E180418A	201807529	6061	0.75	0.37	0.31	0.11	0.89	0.10	0.08	0.03	0.05	0.15	United States of America
001J180418A	201807529	6061	0.75	0.37	0.31	0.11	0.89	0.10	0.08	0.03	0.05	0.15	United States of America
05031801	201807529	6061	0.75	0.37	0.30	0.09	0.89	0.09	0.06	0.02	0.05	0.15	United States of America

SCM products are melted and extruded in the USA

Calvin J. Wiggins

Calvin J. Wiggins, Director of Quality & Technical Services

Print Date: 5/21/2018

Rev 3/14/2018

RAL-34 # 5157

TRA-1723 49072

### Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : LES ACIERS TRANSBEC (1997) LTEE.

Adresse / Address : 4054 BOUL. LE CORBUSIER, #201  
LAVAL, QC  
H7L5R2

7020941

# bon de commande / Purchase order # : OU-47416

# de matrice / Die # : MS 9909

Description : 3/4" ROD

Alliage &amp; trempage / Alloy &amp; temper : 6061 T6 Longueur / Length : 6097 mm

# Contrôle / Control # : 85611-1

# Coulée / Cast # : 68706

Dureté Rockwell E /

Min. requis /

Max. permis /

Rockwell E hardness : 91 HRE

Min. required : 88 HRE

Max. permitted : 100 HRE

Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0,20 - 0,60	0,35 Max	0,10 Max	0,10 Max	0,45 - 0,90	0,10 Max	0,10 Max	0,10 Max
6005	0,60 - 0,90	0,35 Max	0,10 Max	0,10 Max	0,40 - 0,60	0,10 Max	0,10 Max	0,10 Max
6005A	0,66 - 0,74	0,14 - 0,28	0,08 - 0,16	0,18 - 0,26	0,46 - 0,54	0,03 Max	0,05 Max	0,05 Max
6061	0,40 - 0,80	0,70 Max	0,15 - 0,40	0,15 Max	0,80 - 1,20	0,04 - 0,35	0,25 Max	0,15 Max
6351	0,7 - 1,3	0,5 Max	0,10 Max	0,40 - 0,80	0,40 - 0,80	---	0,20 Max	0,20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme ASTM B-221-14 excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre,  
Yours truly,

date : 2017-03-28

Daniel Alfredo Pelletier  
Directeur Qualité  
Quality Director

RAL 34





**Service Center Metals**  
5850 Quality Way  
Prince George, VA 23875

# CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



Quantity Certified 799 lbs 228 pcs

MANIFEST NUMBER 344426  
CUSTOMER PO VIM-643085  
CUSTOMER PART NUMBER RD0370

DIE NUMBER RD0370  
ALLOY/TEMPER 6061-T6511  
DESCRIPTION Lightning Rod Tite 0.562 +.004/- .003

DATE OF SHIPMENT 9/21/2017  
SALESPERSON D. Schroeder (Canada)

CERTIFICATION  
ASTM-B221-14 No Stencil  
SPECIFICATION AWS-QQA-200/8 Rev-A

OUR ORDER NUMBER 929759 ITEM 2

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification vision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

This product is RoHS-2, REACH, and DFARS compliant

ICM is ISO 9001-2015 certified

## Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
			min	min	min
			max	max	max
1	201714863	9/21/17	47.80	44.40	15.80
					15.80

## Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Others	Melt Source:
101M170825B	201714863	6061	0.76	0.36	0.32	0.10	0.88	0.11	0.05	0.03	97.40	0.05	0.15		United States of America
103E170530A	201714863	6061	0.74	0.36	0.32	0.11	0.89	0.16	0.05	0.03	97.32	0.05	0.15		United States of America

CM products are melted and extruded in the USA

*Calvin J. Wiggins*

Calvin J. Wiggins, Director of Quality & Technical Services

Print Date: 9/21/2017

Rev 7/2017

PO. 13471  
#5180

49946



2532

FAL-14

50737

TRA-2598

**MILL TEST**

BILL TO	CERT CODE:	DIE NUMBER	DATE OF SHIPMENT	RDER NO.	MANIFEST NO.
	1	S 4657	Dec/06/2017	212394 - 2	382626
SHIP TO	CUSTOMER PO	ALLOY	SALESMAN	<b>MADE IN CANADA</b>	
ACIER OUELLETTE	105987	6061	HOUSE ACCOUNTS		
SO DESCRIPTION	CUSTOMER PART NUMBER	TEMPER			
FLAT 4" X 1"	SO04657	T6			
		PART DESCRIPTION			
		FLAT 4" X 1"			

 CERTIFICATION  
 MILL TEST ASTM B221-14
**Mechanical Properties**

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
A.11	6061	Nov/28/2017	42.80	39.80	10.00	86.0, 86.8, 87.6	

**Chemical Composition**

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Pb	Sn	Sr	Co	Al	Other
387163	A.11	6061	0.58	0.15	0.2	0.03	0.86	0.07	0	0.01	0.02	0	0	0	0	0	0	0	0	0	0

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

T. Mohabir  
 Quality Control Manager



TRUNG TÂM KIM NGHỆ CÔNG TY  
THÀNH NHÓM TOÀN CẦU VIỆT NAM  
GLOBAL VIETNAM ALUMINIUM  
CO., LTD TESTING CENTER

Quality Manager

All profiles, showing material shipped match aluminum alloy as per standard, with chemical analysis to match aluminum alloy standard.  
We hereby certify that the item listed have been checked and tested in accordance with the specifications noted and have been found to meet all the applicable requirements. Certifications are kept on file for 36 months from the date of purchase and are available for review upon request, referring to ASTM and the PO number.

U.T. Strength (ksi)	42.3	Yield Strength (ksi)	38.5	Elongation % LN 2"	11.4	08/05/2017
Remark:						

#### MECHANICAL ANALYSIS:

Si	Mg	Fe	Cu	Mn	Cr	Zn	Ti	Al	Other	Remark:	08/05/2017
0.609	0.952	0.247	0.272	0.018	0.096	0.011	0.020	97.678	<0.05	<0.10	
TOTAL											

#### CHEMICAL ANALYSIS: %

Applicable Specifications: ASTM B221 STANDARDS

PO number: P-17529  
Shipping Ref No.: 17-2204  
LC No.: DC HMN714466  
Date of Issue: October 31, 2017  
Item Code: 1927100  
Die Number: D00227  
Alloy & Temper: 6061-T6  
Production Description: Flat Bar 1"x2"x 240" 6061-T6 D00227  
Length (inch): 240  
Bundle number: P-17529-007  
Heat Number: SXF171892  
Date: 10/05/2017

Date: November 17, 2017

### MILL TEST CERTIFICATE

Address: MY XUAN BI-CONAC INDUSTRIAL ZONE, MY XUAN TOWN, TAN THANH DISTRICT,  
BA RIA VUNG TAU PROVINCE, VIETNAM  
Tel: +84(0)643924954  
Fax: +84(0)643924953

GLOBAL VIETNAM ALUMINIUM COMPANY LIMITED

Global Vietnam  
Aluminum Co., Ltd



2447  
FAL-12-V

72A-1643

49541



97778

Dart

17793N

# KAISER ALUMINUM

FABRICATED PRODUCTS

*Best in Class*

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: 4500880929-1		CUSTOMER PART NUMBER: 160001379		PRODUCT DESCRIPTION: 1.000 X 6.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 6052812	LINE ITEM: 001	SHIP DATE: 05/04/2018	KAISER LOT NUMBER: <u>41096-047</u>	ALLOY: <u>6061</u>	TEMPER: <u>T6511</u>
WEIGHT SHIPPED: 2032.000 LB	QUANTITY: 24.000 PCS	B/L NUMBER: 622689	DIAM/DAF/THKNS:	WIDTH:	LENGTH: 12.000 FT

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
41096-047	0001	1	46.2	40.8	18.0	RE 96	N/A	N/A
41096-047	0001	2	53.0	49.0	19.0	RE 96	N/A	N/A
41096-047	0001	3	46.0	40.3	18.0	RE 94	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
H49691	.72	.29	.29	.09	1.04	.09	.09	.06	.01	.00	.00	.01	.02

### Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

### Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager



Plant Serial: 00333104

Kaiser Order Number: 6052812

Line Item: 001

97778

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## CERTIFICATE OF COMPLIANCE

## SIGNATURE ALUMINUM CANADA

1850 CLEMENTS RD  
PICKERING, ON L1W 3R8

Cert Date	Cert No.	Sales Order	Page
03/21/2018	5470742	131282	1
Cust PO	B/L No	Lot	Date
4500868831	036444	896122	03/21/18

Sold To		Ship To	
Item No	Part No	Item Description	Cust Part
001	C-012721-1	144" Mill 6061 T6511	160001392 2"X2.5"
Gross Weight	1,140 LBS		
Net Qty	1,122 LBS 16 PCS 1 PKGS		
Specification		Die Desc	
AMS-QQ-A-200/8 & ASTM B221-08			

## Mechanical Tests:

<u>Tensile</u>	<u>Yield</u>			
<u>MPA / KSI</u>	<u>MPA / KSI</u>	<u>% Elongation</u>	<u>Conductivity</u>	<u>HRE</u>
336.6 / 48.8	313.1 / 45.4	13.7	N/A	93

## Chemical Analysis:

<u>Si</u>	<u>Fe</u>	<u>Cu</u>	<u>Mn</u>	<u>Mg</u>	<u>Cr</u>	<u>Zn</u>	<u>Ti</u>	<u>V</u>	<u>Zr</u>
0.62	0.27	0.22	0.05	0.88	0.06	0.05	0.01	0.01	0.00

This Material is Made in Canada

This Material is RoHS Compliant

This will certify that the material described herein has been inspected and tested in accordance with Signature Aluminum Canada's standard sampling and testing procedures or in accordance with the requirements of any specification forming a part of the material description to the extent indicated herein. Data of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

S. Gooder  
Quality Manager  
Signature Aluminum Canada Inc

ISO 9001/TS16949 Registered Company

Visit us at [www.signaturealum.com](http://www.signaturealum.com)

Rev A



# SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL 6061-T6-T651 ALUMINUM SHEET OR PLATE  
SPECIFICATION: QQ-A-250/11 OR AMS-QQ-A-250/11  
OR ASTM B209

△ PART NUMBER: M6061T6S | XXX | X | W.WWWW |  
THK | WIDTH |

WHERE "XXX" = THICKNESS (IN INCHES)  
AND "W.WWWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)  
EG. 0.063" THICK SHEET = M6061T6S.063  
EG. 3.5" WIDE BY 0.500" THICK PLATE = M6061T6S.500X3.500

△ PREFERRED SIZE: .XXX BY 4FT BY 8FT FOR SHEET

C	ADD PLATE AND T651 SPEC	ML	17.12.13
B	REFORMAT DWG, ADD B209 SPEC (ZN D6-1), REF PAR 08-020A	CP	09.07.13
A	NEW ISSUE	RF	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN	DS	ML	
DRAWN	NO	JFS	
CHECKED	NO	HS	
MFG. APPR.	CP	CP	
APPROVED	CP	CP	
DE APPR.	CP	CP	
DATE	17.12.13		
DART AEROSPACE LTD HAYKESBURY, ONTARIO, CANADA			
REV. C			
DRAWING NO. M6061T6S			
SHEET 1 OF 1			
TITLE 6061-T6 SHEET/PLATE SPEC			
SCALE NTS			
COPYRIGHT © 2007 BY DART AEROSPACE LTD			

RELEASED  
2018 MAR 13 4P  
ECL 18-6061

APPROVED

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T65-250x6250  
 DATE: 18/07/10

PO / BATCH NO.: P0040358 / 5090358

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 64  
 QUANTITY INSPECTED: 64  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.250"  
 THICKNESS RECEIVED: 0.250"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	ASTM B209
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	HT: 537035527
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>AT</u>		SIGNED OFF BY: _____	
DATE: <u>18/07/10</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: 6061-T6/T62/T651 ALUMINUM SHEET OR PLATE

SPECIFICATION:  
QQ-A-250/11 OR AMS-QQ-A-250/11  
OR ASTM B209

△ PART NUMBER: M6061T6S XXX X W.WWW  
THK WIDTH

WHERE "XXX" = THICKNESS (IN INCHES)  
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EG. 0.063" THICK SHEET = M6061T6S.063  
EG. 3.5" WIDE BY 0.500" THICK PLATE = M6061T6S 500X3.500

△ PREFERRED SIZE: XXX BY 4FT BY 8FT FOR SHEET

RELEASED  
2018 MAR 13  
EJS 18-605

APPROVED

C	ADD PLATE ANG T651 SPEC	ML	17.12.13
B	REFORMAT DWG. ADD B209 SPEC (ZN D8-1). REF PAR 08020A	CP	08.07.13
A	NEW ISSUE	RF	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	ML		
CHECKED	NO		
MFG. APPR.	JFS		
APPROVED	HS		
DE APPR	CP		
DATE	17.12.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA REV. C DRAWING NO. M6061T6S SHEET 1 OF 1 TITLE 6061-T6 SHEET/PLATE SPEC SCALE NTS COPYRIGHT © 2001 BY DART AEROSPACE LTD ALL RIGHTS RESERVED			

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 6061 T6S.250  
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090359

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 3254  
 QUANTITY INSPECTED: 3254  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 8x40.250"  
 THICKNESS RECEIVED: 8x40.250"  
 SHEET SIZE ORDERED: 8x4  
 SHEET SIZE RECEIVED: 8x4

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	N	ASTM B209
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	HT: 537035527
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____		
DATE: <u>18/07/10</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION:

MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTM A240  
OR ASME SA240

FINISH:

FINISH  
UNPOLISHED No. 1  
UNPOLISHED No. 2D  
UNPOLISHED No. 2B  
POLISHED No. 3  
POLISHED No. 4  
BUFFED No. 5  
BUFFED No. 6  
BUFFED No. 7  
BUFFED No. 8

PART NUMBER: M304S TT GA #P  
GA

WHERE "TT" = GAUGE THICKNESS  
WHERE "P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN.)	THICKNESS RANGE (IN.)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.236 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

RELEASED

2015 FEB 04

ECN 15-122 9

REV.	DESCRIPTION	DATE
D	ADDED GAUGES 0-7.	15.01.06
C	DEFINED FINISH OPTION (2N 08) AND EXAMPLE OF MATERIAL FIN WITH FINISH OTHER THAN 2B (2N 05).	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (2N D8-1). ADD GAUGE REF (08-1). REF PAR 08-020A	09.06.01
A	NEW ISSUE	01.09.24
DESIGN	DS	BY
DRAWN	AS	DATE
CHECKED	AS	
MFG. APPR.	M304S	
APPROVED		
DE APPR.		
DATE	15.01.06	

DART AEROSPACE LTD

HAWKESBURY, ONTARIO, CANADA

DRAWING NO.

M304S

TITLE

304/316 SS SHEET

SCALE

NTS

REV. D

SHEET 1 OF 1

DATE

15.01.06

15.01.06

15.01.06

15.01.06

15.01.06

15.01.06

15.01.06

15.01.06

15.01.06

15.01.06

15.01.06

15.01.06

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 3045206A  
 DATE: 18/07/10

PO / BATCH NO.: P0040358/5090402

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 256sf  
 QUANTITY INSPECTED: 256sf  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040"  
 THICKNESS RECEIVED: .040"  
 SHEET SIZE ORDERED: 4x8  
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	N	<u>ASTM A240</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	<u>HT: 6976</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____	
DATE: <u>18/07/10</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED

SPECIFICATION:

MIL-S-5050  
OR AMS 5613 (304)  
OR AMS 5624 (316)  
OR ASTM A240  
OR ASME SA240

FINISH:

FINISH  
UNPOLISHED No. 1  
UNPOLISHED No. 2D  
UNPOLISHED No. 2B  
POLISHED No. 3  
POLISHED No. 4  
BUFFED No. 6  
BUFFED No. 7  
BUFFED No. 8

DART M-NUMBER  
IDENTIFIER  
1P  
2D  
NONE  
3P  
4P  
6P  
7P  
8P

PART NUMBER:

M304S TT GA #P  
GA

WHERE "TT" = GAUGE THICKNESS  
WHERE "P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA  
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.08375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

RELEASED  
2015 FEB 04  
ECN 15-1722

D	ADDED GAUGES 0-7	AJS	15 01 06
C	DEFINED FINISH OPTION (ZN CB) AND EXAMPLE OF MATERIAL FIN WITH FINISH OTHER THAN 2B (ZN B5)	M8	12 09 20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1), ADD GAUGE REF (CB-1), REF PAR 08-020A	CP	08 06 01
A	NEW ISSUE	DS	01 09 24
REV	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	AJS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	15 01 06		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M304S			
TITLE 304/316 SS SHEET			
REV D			
SHEET 1 OF 1			
SCALE NTS			
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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 304S 18 GA  
 DATE: 18/07/10

PO / BATCH NO.: P0040358/5090403

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 192sf  
 QUANTITY INSPECTED: 192sf  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.050"  
 THICKNESS RECEIVED: 0.050"  
 SHEET SIZE ORDERED: 4x8  
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ASTM A240
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	HT. 088E
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>AS</u>	SIGNED OFF BY: _____		
DATE: <u>18/07/10</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR  
(NOTE: AISI 303 NOT ACCEPTABLE)

SPECIFICATION:

ASTM A276

PART NUMBER:

M304R(D.DDD)  
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M304R0.750

RELEASED  
10/08/2015

B	REFORMAT DWG. ADD SPECS (ZN D6-1)	CP	09.07.15
A	NEW ISSUE	AJS	08.03.03
REV	DESCRIPTION	BY	DATE
DESIGN	AJS		
DRAWN	QA		
CHECKED	1		
MFG APPR.	M304R		
APPROVED	1		
DE APPR.	1		
DATE	09.07.15		
DART AEROSPACE LTD		REV. B	
HAWKESBURY, ONTARIO, CANADA		DRAWING NO.	
		M304R	
		TITLE	
		304/316 ROUND BAR	
		SHEET 1 OF 1	
		SCALE	
		NTS	
COPYRIGHT © 2008 BY DART AEROSPACE LTD			
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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304L0.375  
DATE: 18/07/10

PO / BATCH NO.: P0040358/S090360

MATERIAL CERT REC'D: Kes  
QUANTITY RECEIVED: 24'  
QUANTITY INSPECTED: 24'  
QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375"  
THICKNESS RECEIVED: 0.375"  
SHEET SIZE ORDERED: —  
SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	Y N	ASTM A276
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	Ht: 171164
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u>	DAS 9 2-89	SIGNED OFF BY: _____
DATE: <u>18/07/10</u>		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR  
(NOTE: AISI 304/316 NOT ACCEPTABLE)

ASTM A582  
M303R(D,DDQ)  
DIA.

SPECIFICATION:  
PART NUMBER:

WHERE "D DDD" = DIAMETER IN INCHES  
EG. 0.75" ROUND BAR = M303R0.750

RELEASED  
R 2010-02-02  
NR

B	REFORMAT DWG. ADD SPECS (ZN D8-1)	CP	10 01 05
A	NEW ISSUE	DS	01 12 20
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.01.05		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M303R			
TITLE 303 ROUND BAR			
REV. B			
SHEET 1 OF 1			
SCALE NTS			
COPYRIGHT © 2001 BY DART AEROSPACE LTD.			



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303K0.750  
DATE: 18/07/10

PO / BATCH NO.: POM0358/5090361

MATERIAL CERT REC'D: Yes  
QUANTITY RECEIVED: 96ft  
QUANTITY INSPECTED: 96ft  
QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.750"  
THICKNESS RECEIVED: 0.750"  
SHEET SIZE ORDERED: —  
SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<u>(N)</u>	
CORRECT FINISH	<u>(Y)</u>	N	
CORROSION	Y	<u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u>	N	
CORRECT MATERIAL PER M-DRAWING	<u>(Y)</u>	N	<u>ASTM 582</u>
CORRECT THICKNESS	<u>(Y)</u>	N	
PHOTO REQUIRED	Y	<u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u>	N	<u>MT: 5J049</u>
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u>	N	
CORRECT M# ON THE MATERIAL	<u>(Y)</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>AT</u>	SIGNED OFF BY: _____		
DATE: <u>18/07/10</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR  
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:

ASTM A582

PART NUMBER:

M303R(D,DDD)  
DIA.

WHERE "D,DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M303R0.750

RELEASED  
R 2010-02-02  
NR

B	REFORMAT DWG. ADD SPECS (ZN D8-1), REF PAR 08-020A	CP	10.01.05
A	NEW ISSUE	DS	01.12.20
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG APPR.			
APPROVED			
DE APPR.			
DATE	10.01.05		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M303R			
TITLE 303 ROUND BAR			
SHEET 1 OF 1			
SCALE NTS			
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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303K0-250  
 DATE: 18/07/10

PO / BATCH NO.: P0040358/5090362

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 3644  
 QUANTITY INSPECTED: 3644  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.250"  
 THICKNESS RECEIVED: 0.250"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	ASTM A582
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	MT: 101621
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>AT</u> <span style="color: blue;">DAS</span>	SIGNED OFF BY: _____		
DATE: <u>18/07/10</u> <span style="color: blue;">889</span>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR  
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:

PART NUMBER:

ASTM A582

M303R(D,DDD)  
DIA.

WHERE "D DDD" = DIAMETER IN INCHES  
EG. 0.75" ROUND BAR = M303R0.750

RELEASED  
R 2010-02-02  
NRP

B	REFORMAT DWG. ADD SPECS (ZN D8-1), REF PAR 08-020A	CP	10.01.05
A	NEW ISSUE	DS	01.12.20
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.01.05		

DART AEROSPACE LTD	
HAWKESBURY, ONTARIO, CANADA	
DRAWING NO.	M303R
TITLE	303 ROUND BAR
SCALE	NTS
SHEET 1 OF 1	
REV. B	
COPYRIGHT © 2001 BY DART AEROSPACE LTD.	

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 303R1-000  
 DATE: 18/07/10

PO / BATCH NO.: P0040358/5090362

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.00  
 THICKNESS RECEIVED: 1.00  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>(N)</u>	
CORRECT FINISH	<u>(Y)</u> N	
CORROSION	Y <u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u> N	
CORRECT MATERIAL PER M-DRAWING	<u>(Y)</u> N	ASTM A582
CORRECT THICKNESS	<u>(Y)</u> N	
PHOTO REQUIRED	Y <u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u> N	LT-620M
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u> N	
CORRECT M# ON THE MATERIAL	<u>(Y)</u> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> <span style="float: right; font-size: small;">DAS 9 9-5-</span> DATE: <u>18/07/10</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR  
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION:

ASTM A302

PART NUMBER:

M303R(D,DDD)  
DIA.

WHERE "D DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M303R0.750

RELEASED  
R 2010-02-02  
NP

B	REFORMAT DWG. ADD SPECS (ZN D8-1)	CP	10.01.05
A	NEW ISSUE	DS	01.12.20
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.01.05		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M303R			
REV. B			
SHEET 1 OF 1			
TITLE 303 ROUND BAR			
SCALE NTS			
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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 R1.375  
DATE: 18/07/10

PO / BATCH NO.: P0040358/5090364

MATERIAL CERT REC'D: Yes  
QUANTITY RECEIVED: 12.5"  
QUANTITY INSPECTED: 12.5"  
QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.375"  
THICKNESS RECEIVED: 1.375"  
SHEET SIZE ORDERED: —  
SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N	ASIM A582
CORRECT THICKNESS	Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N	HT: 721P
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>AT</u>	DAS 9 9-80	SIGNED OFF BY: _____	
DATE: <u>18/07/10</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL (6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR  
SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6R(D.DDD)  
DIA.  
WHERE "D.DDD" = DIAMETER IN INCHES  
EG. 5/8" ROUND BAR = M6061T6R0.625

RELEASED  
R 2009-09-09  
NP

B	REFORMAT DWG. ADD B211 & B221 SPEC. (ZN D6-1).	CP	09 07 13
A	NEW ISSUE	DS	01 06 03
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09 07 13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO CANADA			
DRAWING NO. M6061T6R		REV. B	
TITLE 6061-T6 ROUND BAR		SHEET 1 OF 1	
SCALE NTS		COPYRIGHT © 2001 BY DART AEROSPACE LTD.	

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 R0.625  
 DATE: 18/07/10

PO / BATCH NO.: P0040358/SEA0265

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 100Lb  
 QUANTITY INSPECTED: 100Lb  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.625"  
 THICKNESS RECEIVED: 0.625"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	ASTM B221
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	489021101A
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AI</u> <span style="float: right; font-size: small;">DAS 9 9-89</span>	SIGNED OFF BY: _____	
DATE: <u>18/07/10</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061-T6/T651/T651-T62 ALUMINUM ROUND BAR  
SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6R[D.DDD]  
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES  
EG. 5/8" ROUND BAR = M6061T6R0.625

RELEASED  
N 2009-09-09  
MP

B	REFORMAT DWG. ADD B211 & B221 SPEC (ZN D6-1).	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR			
APPROVED			
DE APPR			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M6061T6R		REV. B	
TITLE 6061-T6 ROUND BAR		SHEET 1 OF 1	
		SCALE NTS	
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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6R1.625  
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S040366

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.625"  
 THICKNESS RECEIVED: 1.625"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	AMS-QQ-A-2008
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	HT=201801246
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> <span style="float: right; font-size: small;">DAS 9</span> DATE: <u>18/07/10</u> <span style="float: right; font-size: small;">9-89</span>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR  
SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6R(D,DDD)  
DIA.  
WHERE "D DDD" = DIAMETER IN INCHES  
EG. 5/8" ROUND BAR = M6061T6R0.625

RELEASED  
R 2009-09-09  
MP

B	REFORMAT DWG. ADD B211 & B221 SPEC (ZN DB-1).	CP	09 07 13
A	NEW ISSUE	DS	01 06 09
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR			
DATE	09 07 13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO CANADA			
DRAWING NO. M6061T6R			
REV. B			
SHEET 1 OF 1			
TITLE 6061-T6 ROUND BAR			
SCALE NTS			
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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606176R2.375  
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090367

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.375"  
 THICKNESS RECEIVED: 2.375"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	ASTM B221
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	MT: 201807529
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>MT 18/07/10</u> <span style="float: right; font-size: small;">DAS 9</span>	SIGNED OFF BY: _____	
DATE: <u>18/07/10</u> <span style="float: right; font-size: small;">9-89</span>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR  
 SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
 OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
 OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6R/D DDD | D/A.  
 WHERE "D DDD" = DIAMETER IN INCHES  
 EG. 5/8" ROUND BAR = M6061T6R0.625

RELEASED  
 2009-09-09  
 NP

B	REFORMAT DWG. ADD B211 & B221 SPEC (2N D8-1).	CP	09 07 13
A	NEW ISSUE	DS	01 06 08
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR			
DATE	09 07 13		

DART AEROSPACE LTD HAWKESBURY, ONTARIO CANADA	
DRAWING NO.	M6061T6R
TITLE	6061-T6 ROUND BAR
SCALE	NTS
SHEET 1 OF 1	
REV B	
COPYRIGHT © 2001 BY DART AEROSPACE LTD	

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 R0.750  
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090368

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 804  
 QUANTITY INSPECTED: 804  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.750"  
 THICKNESS RECEIVED: 0.750"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	ASTM B221
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	HT: 68706
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>AT</u>	<u>DAS</u> <u>8</u> <u>8-89</u>	SIGNED OFF BY: _____	
DATE: <u>18/07/10</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6511-T62 ALUMINUM ROUND BAR  
SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4180)  
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6R(D,DDD)  
WHERE "D,DDD" = DIAMETER IN INCHES  
EG. 5/8" ROUND BAR = M6061T6R0.625

RELEASED  
R 2009-09-09  
MD

B	REFORMAT DWG. ADD B211 & B221 SPEC (ZN DR-1), REF PAR 08-020A	CP	09 07 13
A	NEW ISSUE	DS	01 06 08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR			
DATE	09 07 13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M6061T6R		REV. B	
TITLE 6061-T6 ROUND BAR		SHEET 1 OF 1	
SCALE NTS		COPYRIGHT © 2004 BY DART AEROSPACE LTD.	

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606176L0.563  
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090369

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 84'  
 QUANTITY INSPECTED: 84'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .563"  
 THICKNESS RECEIVED: .563"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	AMS-QQ-A-200/8
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	MM:01M170825B; 03E170530A
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> <span style="float: right;">DAS</span> DATE: <u>18/07/10</u> <span style="float: right;">2-89</span>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6 T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WWW.WWW | THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES  
"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED  
N 2009-09-02  
MAD

B	REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (Zn D7-1)	CP	09 07 13
A	NEW ISSUE	DS	01 06 08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN			
CHECKED	AS		
MFG. APPR.	M6061T6B		
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. REV. B			
M6061T6B SHEET 1 OF 1			
TITLE SCALE			
6061-T6 BAR NTS			
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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B1.000x04.000  
 DATE: 18/07/10

PO / BATCH NO.: P0040358/S090370

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 36ft x 40ft  
 QUANTITY INSPECTED: 36ft x 40ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000"  
 THICKNESS RECEIVED: 1.000"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	N	ASTM B221
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	47: 387163
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>AT</u> <sup>DAS</sup>		SIGNED OFF BY: _____	
DATE: <u>18/07/10</u> <sup>8:55</sup>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL (6061-T6) T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:  
QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WWW.WWW | THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES  
"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED  
N 2009-05-03  
MAD

B	REMOVE QQ-A-250/11 OPTION REFORMAT NOTES, ADD ASTM B211/B221 (ZN D7-1)	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN			
CHECKED	DS		
MFG. APPR.	M6061T6B		
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B	
		SHEET 1 OF 1	
		SCALE	
		NTS	
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## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 6061 T6 B1.000 x 02.000

PO / BATCH NO.: P0040358/5090371

DATE: 18/07/10

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 1.000"

QUANTITY RECEIVED: 12'

THICKNESS RECEIVED: 1.000"

QUANTITY INSPECTED: 12'

SHEET SIZE ORDERED: —

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	ASTM B221
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	MT: 5x F171892
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AT</u> <span style="float: right; font-size: small;">DAS 9</span>	SIGNED OFF BY: _____
DATE: <u>18/07/10</u> <span style="float: right; font-size: small;">2-89</span>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061T6/T651/T6510/T651/T62 ALUMINIUM BAR

SPECIFICATION:  
QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WWW.WWW | THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES  
"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED  
R 2009-09-03  
MAD

B	REMOVE QQ-A-250/11 OPTION. REFORMAT NOTES. ADD ASTM B211/B221 (Zn D7-1)	CP	09 07 13
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN			
CHECKED	AS		
MFG APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B	
DRAWING NO. M6061T6B		SHEET 1 OF 1	
TITLE 6061-T6 BAR		SCALE NTS	
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## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M60617 6B1.000x06.000  
 DATE: 18/07/10

PO / BATCH NO.: P0040358/5090372

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 60'  
 QUANTITY INSPECTED: 60'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000"  
 THICKNESS RECEIVED: 1.000"  
 SHEET SIZE ORDERED: —  
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y N	ASTM B 221
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	LT: 41096-047
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AS</u> <span style="float: right; font-size: small;">DAS 9 9-89</span>	SIGNED OFF BY: _____	
DATE: <u>18/07/10</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061 T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:  
 QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
 OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
 OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WWW.WWW | THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES  
 "WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED  
 R 2009-09-02

B	REMOVE QQ-A-250/11 OPTION REFORMAT NOTES, ADD ASTM B211/B221 (2ND D7-1)	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		

DART AEROSPACE LTD HAWKESBURY ONTARIO CANADA	
DRAWING NO. M6061T6B	REV. B
TITLE 6061-T6 BAR	SHEET 1 OF 1
SCALE	NTS
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# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B20002.500

PO / BATCH NO.: P0040328 / S090373

DATE: 18/07/10

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 2.000"

QUANTITY RECEIVED: 12'

THICKNESS RECEIVED: 2.000"

QUANTITY INSPECTED: 12'

SHEET SIZE ORDERED: —

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y N	AMS-20-A-2008
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	HT:5470742
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>AT</u>	<u>DAS</u>	SIGNED OFF BY: _____	
DATE: <u>18/07/10</u>	<u>8</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in